



# MOTHER TERESA

## INSTITUTE OF SCIENCE AND TECHNOLOGY

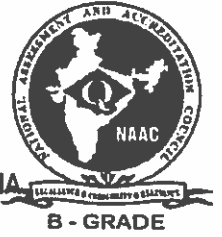
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SANKETIKA NAGAR, KOTHURU (V), SATHUPALLY – 507303, KHAMMAM Dist., TELANGANA

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### Workshop on “ADDITIVE MANUFACTURING TECHNOLOGY”

The Department of Mechanical Engineering has organized workshop from 25.07.2017 to 29.07.2017 on the topic on Additive Manufacturing Technology Which is given by Dr. J. Raj Kumar Associate Professor & Head of the Department of Mechanical Engineering, Swarna Barathi Institute of technology, Khammam.

Additive manufacturing (AM) is considered an emerging technology that is expected to transform the way industry can make low-volume, high value complex structures. This disruptive technology promises to replace legacy manufacturing methods for the fabrication of existing components in addition to bringing new innovation for new components with increased functional and mechanical properties. This report outlines the outcome of a workshop on large-scale metal additive manufacturing

The feedback was analyzed and grouped in different categories including, (i) CAD to PART software, (ii) selection of energy source, (iii) systems development, (iv) material feedstock, (v) process planning, (vi) residual stress & dictortion, (vii) postprocessing, (viii) qualification of parts, (ix) supply chain and (x) business case. Furthermore, an open innovation network methodology was proposed to accelerate the development and deployment of new large-scale metal additive manufacturing technology with the goal of creating a new generation of high deposition rate equipment, affordable feed stocks, and large metallic components to enhance America's economic competitiveness.

The Department of Mechanical Engineering conducted cultural activities on 29.07.2017 at the end of the workshop.

PRINCIPAL

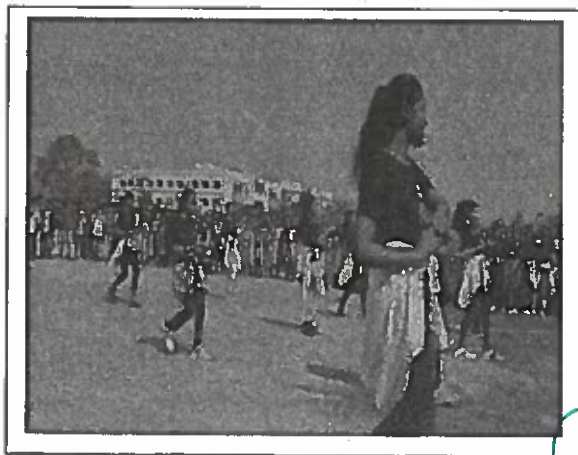
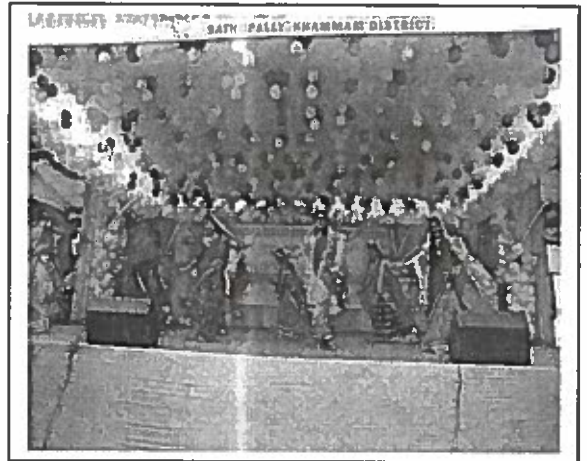
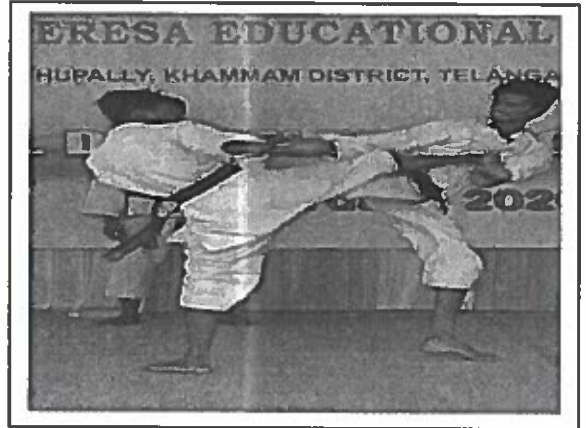
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Khammam Dist. T.S. PIN - 507 303.

Co-ordinator



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Sathupally, Khammam Dist., Telangana

**Cultural activities**



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Coordinator

**PRINCIPAL**  
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